Space and Naval Warfare Systems Center Atlantic

**SSC Atlantic
Gulf Coast Government
Contractors Association Industry
Outreach Symposium**

24 May 2016

CAPT Scott D. Heller
SSC Atlantic
Commanding Officer

SSC Atlantic is part of the Naval Research & Development Establishment (NR&DE)

Agenda

▼ Command Review

▼ Command Focus

- Strategy
  - SPAWARSYSCOM
  - National Broadside Challenge
  - Work Acceptance/Guideposts
  - Thrust Areas
  - Path to Information Warfare Capabilities

▼ Contracting Improvements

▼ Conclusion

- Opportunity Exists!

SSC Atlantic

We deliver Information Warfare Capabilities.

This includes cyber encryption, cyber surveillance, cybersecurity, satellite systems, undersea surveillance equipment, remote sensors, tactical and business IT capabilities.

Naval dominance because we exist!

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SSC Atlantic's Resource Footprint

National Capital Region
Hampton Roads (OIC)
Charleston SSC Atlantic HQ (CO)
SPAWAR HQ (Commander)
Tampa
New Orleans (OIC)
Stuttgart
Rota
Naples
Bahrain*
Djibouti*
Antarctica*

5 continents, 7 time zones

▼ **Total Obligation Authority FY15 $3.26B**

▼ **36.6% supports Small Business** (EOM Apr 2016)

▼ **Infrastructure**
- 119 buildings, 2.3M sq ft

▼ **Technical Leadership**
- 4,013 SSC Atlantic Civil Service and 121 Military Employees
  - 73% in Engineering, and Logistics and Fleet Support competencies
  - 24 Technical Warrant Holders
  - 54 PhDs; 1,039 Masters; 1,741 Bachelors

Strategically located to support the deployed Navy

Forward Deployed

New Orleans

Personnel: 213 Government, 12 Military

UNO Research and Technology Park

Help Desk open 24/7/365

Navy Enterprise Data Center

Data Center Watch Floor

▼ Key Facilities and Technical Capabilities

- 2 buildings (215k sq ft)
- Center of DoN Manpower & personnel software design & support
- Navy Global Distance Support
- Navy Enterprise Data Center
- Veterans Benefits Management IT Systems, web portal & software development
- Logistics & support IT systems
- GCSS MC Service Desk

Other Key Locations

Charleston, SC
2,649 Gov't, 14 Mil

- Tactical network systems & end-to-end testing
- Vehicle, Surface Ship, & Submarine C4I test and integration
- Navy Enterprise Data Center
- Air Traffic Control eng. & technical services
- Electromagnetic & Environmental test labs
- Commercial & DoD Satellite Communications

Headquarters

Hampton Rds, VA
721 Gov't, 90 Mil

- Fleet ops & support
- Co-located with Fleet Forces Command and NAVIDFOR
- Communication systems integration & maintenance
- Navigation systems
- Navy Tactical Command Support System (NTCSS)
- Integrated Undersea Surveillance System
- Fleet Installations and Upgrades, CANES / NTCSS
- USMC IT Strategic Sourcing
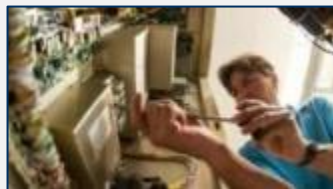
National Capital Region
193 Gov't

- FLTCYBERCOM / C10F
- NAVSEA & NAVAIR Platform C4I/Cyber / ID support
- USCYBERCOM (USCC)
- IESS (Secret Service protected facilities)
- PEO-EIS / N-ERP / NGEN
- MARFORCYBER (MFCC)
- DCGS-N / DCGS-MC
- MARCORSYSCOM
- MARFORCYBER
- USMC Network Ops and Security Center
- Anti-Terrorism / Force Protection

Cryptologic & Intel

Tampa, FL
~55 Gov't

- Expeditionary and USSOCOM C4I systems
- USCENTCOM

Overseas
~35 Gov't

- CNE / C6F
- Ballistic Missile Defense/Aegis ashore
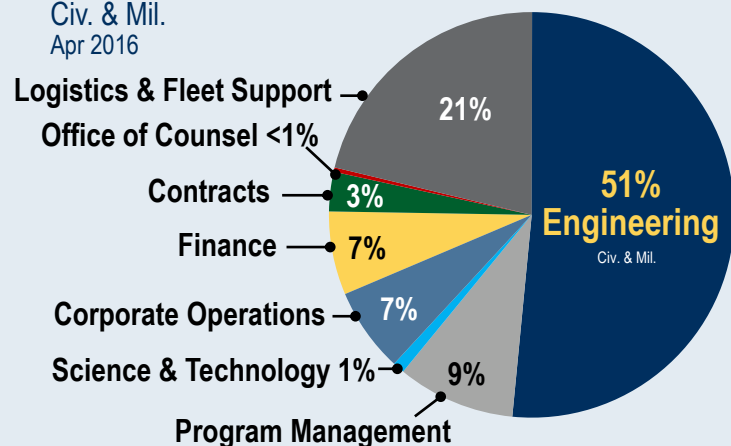- USEUCOM
- USAFRICOM
- MILCON C4I support

Driving integration and interoperability into the Navy's Information Technology portfolio

Workforce/Operational Profile

Workforce by Competency
SSC Atlantic
Civ. & Mil.
Apr 2016

- Logistics & Fleet Support
- Office of Counsel <1%
- Contracts — 3%
- Finance — 7%
- Corporate Operations — 7%
- Science & Technology 1%
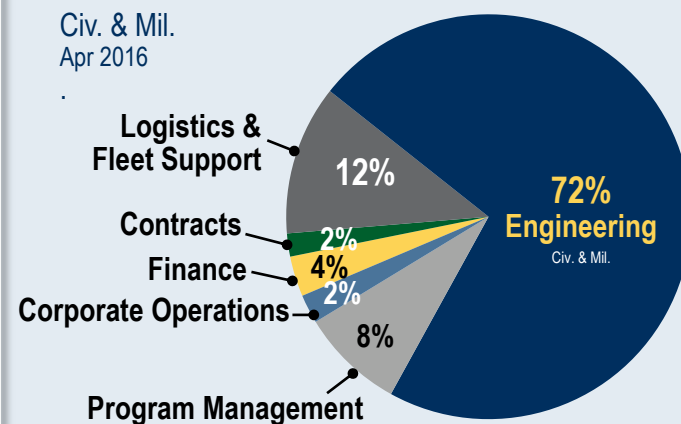- Program Management — 9%
- 21%
- **51% Engineering** Civ. & Mil.

Top Series (63%)
- IT Specialist
- Electronics Engineer
- Computer Scientist
- Management & Program Analyst
- Electronics Technician

Workforce by Competency
NOLA
Civ. & Mil.
Apr 2016
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- Logistics & Fleet Support — 12%
- Contracts — 2%
- Finance — 4%
- Corporate Operations — 2%
- Program Management — 8%
- **72% Engineering** Civ. & Mil.

Primarily a Navy Working Capital Fund (NWCF) Organization, relying on sales revenue rather than direct Congressional appropriations to finance its operations

NWCF improves cost awareness, promotes cost management & increases flexibility

✓ **Generates adequate revenue to cover cost of operations**

✓ **Operates on a break-even basis**

Optimizing our people, processes, & tools to rapidly deliver Information Warfare solutions

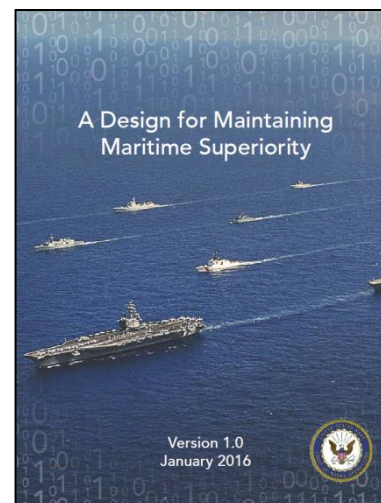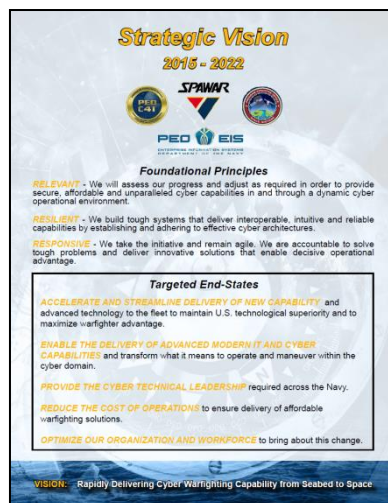# Command Focus

SPAWARSYSCOM Strategic Plan
https://blog.spawar.navy.mil/command/Strategic_Plan.pdf

VISION:
Rapidly Delivering
Cyber Warfighting
Capabilities from
Seabed to Space

▼ Promotes the SPAWAR Strategic Vision 2015-2022 RADM Lewis released last year

▼ Builds on the CNO guidance contained in A Design for Maintaining Maritime Superiority

ALL HANDS ON DECK
Support these critical goals.

- Accelerate and Streamline Delivery *How do we fit into the objectives?*
- Enable Modern Information Technology Service Delivery *How can we support in our everyday jobs?*
- Own Cyber Technical Leadership *How are you contributing to cyber technical leadership for the Navy?*
- Reduce the Cost of Operations *How can we reduce our costs?*
- Optimize Our Organization and Workforce *What changes will help you support the SPAWAR vision?*
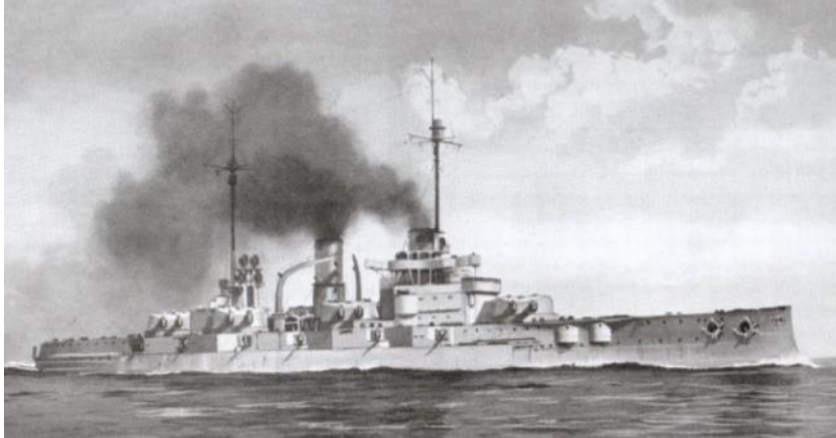
WWI – Coordinated broadside from the platform …

2016 and beyond requires a coordinated National Broadside

Combat Systems

Cyber

Financial Systems

C4I Systems

Logistics Systems

Dept of State

Naval Mission Overwhelming Force

• *Workforce*
• *Technology*
• *Infrastructure*

Ensuring Naval dominance through collaboration, alignment and engineering excellence.

Shaping our Work and Workforce Guideposts

What We Provide:
Naval Engineering Services Delivering **Information Warfare Capability**

Key Tasks:
- Project/Program Management
- Research
- SoS Engineering
- Requirements
- Design
- Development
- Integration
- Production
- Installation
- Test and Evaluation
- Quality Assurance
- Sustainment
- PBLO/Logistics Engineering

Technical Growth Areas:
1. Cyber Warfare
2. Big Data Technologies
3. Assured Communications
4. Cloud Computing
5. Enterprise Resource Tools
6. Collaboration
7. Autonomy
8. Embedded Systems
9. Mobility

1) Leadership (SYSCOM, ASN (RDA)) Directed Tasks.

2) PEO C4I, PEO EIS, and MARCORSYSCOM (core customers).
   - Goal: Zero unfilled 'work accepted' demand signal.
   - Once we reach a steady state, billets will be filled within 21 days via re-assignment or task redistribution.
   - Exceptions to the 21-day timeline will be approved by the ED.
   - This will allow us to grow our base and remain competitive.

3) Improves Naval Information Warfare, funded by a Naval customer.

4) Improves Naval Information Warfare, not funded by a Naval customer.
   - Direct contribution to Naval Mission Thread.
   - COCOM Engineering Support.
   - Indirect contribution to Mission Thread or Naval interface (Agency, Service, other...).

5) Engineering Services (Non-Naval); Annual review by CO/ED.
   - Develops knowledge, skills, and abilities the Navy and Marine Corps require.
     - Aligned with Technical Growth Area priorities.
   - Protects our ability to surge.
     - This implies that when the opportunity to surge into priority 1-3 tasks exist, we do.
   - Minimize the harm, but these are areas to shape our way out of in order to free resources for a higher priority.

Thrust Areas our greatest efforts

C4I *Command, Control, Communications, Computers, and Intelligence*

- Computer Network Defense (CND) in a Tactical Environment
- Navy Tactical Cloud Software Development
- Navy Integrated Fires
- Design, Integration, Production, Installation, Test & Evaluation

EIS *Enterprise Information Systems*

- Enterprise Business Solutions Provider (includes Application and Data Design & Engineering Principles for traditional hosting, cloud, mobility, & portability)
- Cloud Capabilities (access point solutions, hosting, contracting languages)
- PMW 205 Support Transformation (improve our embedded engineering and PM support to sponsor while seeking out turn-key engineering opportunities)

USMC/SOCOM *US Marine Corps/ Special Operations Command*

- ISEA of the Marine Corps Enterprise Network
- Engineering the USMC ISR Enterprise
- Engineer and Deploy the Marine Corps Enterprise Network
- Transforming Combat Vehicles into Mobile C4ISR Platforms

NFS *Navy and Federal Support*

- Cyber T&E
- Cybersecurity Systems Engineering
- Predictive Analytics (trending toward operational analytics)
- Next Generation Gateway
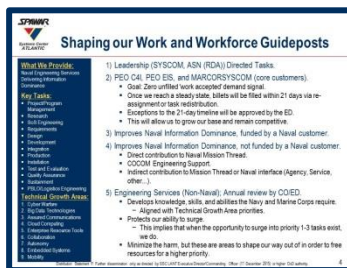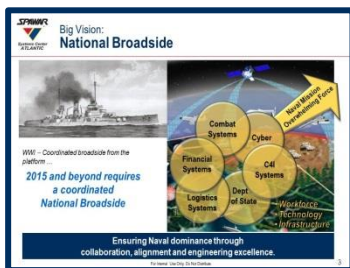- Autonomous Systems- Automated/Assisted Decision Planning/Making

Remaining ready for decisive operations and combat is our reason for being.
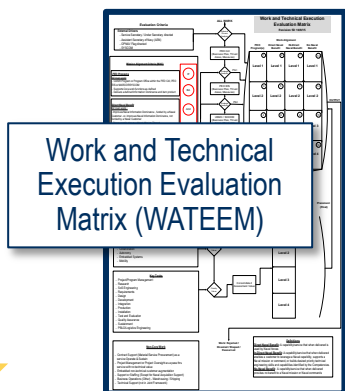
CNO Message: A DESIGN FOR MAINTAINING MARITIME SUPERIORITY
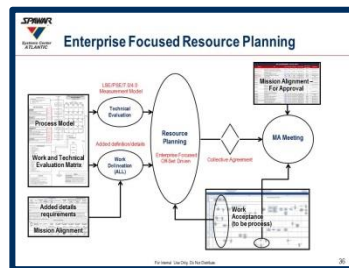
Path to Information Warfare Capabilities

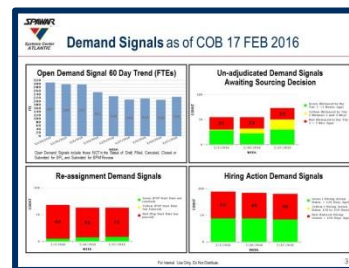**Strategy**   National Broadside ⟶ Guideposts ⟶ Thrust Areas
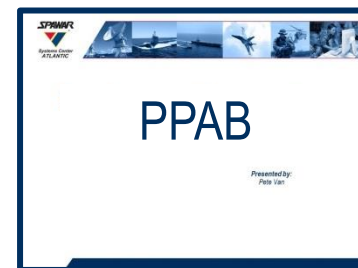

Planning   Detailed Work Assessment   Resource Allocation   Demand Signals   Project Procurement Approval Board*

Work and Technical Execution Evaluation Matrix (WATEEM)

PPAB

Execution   Program Management → **Information Warfare Capabilities**

* Previously known as the Project Procurement Strategy Meetings (PPSMs)

Contracting Improvements

Increasing Contracts Throughput

▼ Focused contract approach for Quality Contracts

- Align 2.2 to Portfolios
  - allows more definition of requirements
- Training to IPTs and Contracts workforce
- Inserting quality into the development of the PR
  - FPY of PR packages 2.0/6.0 – Tiger Team assistance
  - Project Procurement Approval Board
- Improved quality in RFPs and internal documentation
- Well instrumented weekly metrics
- Increasing contracts staff

Quality in helps with the quality out, resulting in more timely awards.

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Opportunity exists!
Information Warfare capability is key to Naval power; all domains are affected and cyber success is essential.

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Web: http://www.public.navy.mil/spawar/Atlantic   Facebook: http://www.facebook.com/spaceandnavalwarfaresystemscommand
Twitter: http://twitter.com/SPAWARHQ Employment opportunities: www.USAJOBS.gov
SPAWAR Small Business: http://www.public.navy.mil/spawar/Pages/SmallBusiness.aspx
SPAWAR Contract Directorate Office: https://e-commerce.sscno.nmci.navy.mil